

Model Name MG6(Multi-format type)

## Box Specification

MODE NO.	MHD-63MG6RH-DICR
IMAGE SENSOR	Megapixel CCD Sensor
CCD TOTAL PIXELS	1329(H) X 976(V) approx. 1.3M pixel
SCANNING SYSTEM	Progressive scan
SYNC SYSTEM	Internal
MINIMUM ILLUMINATION	0.1 Lux @ AGC on /Sens-up off/ F1.2 Color to B/W
RESOLUTION	Over 800 TV-Line (*1)
OPTIC /Lens	Type filter Standard Type: C/CS mount with IR-Cut filter Optional Type : ICR(IR-cut removable filter)(*2)
ICR-Set CONTROL	Auto, External-control(Optional function)
GAIN CONTROL	Auto, manual
EXPOSURE CONTROL	Auto, manual, IRIS priority
S / N RATIO	48dB (TYP) (Gamma, Aperture, AGC OFF)
AUTO IRIS	AES (Rolling shutter) / ALC-DC lens
MULTI-FORMAT VIDEO OUT	Image Aspect: Full/Normal HDV 16:9 (Mode: Squeeze or Cropped): 720p50/60Hz;1080p25/30Hz;1080i 50/60 Hz SDV(4:3)(Mode: Squeeze or cropped): NTSC/PAL(4:3/16:9)
DNR	3D/2D Noise Reduction (Off/Low/Middle/High)
GAMMA CORRECTION	CRT/LCD / 1.0
DIGITAL ZOOM	4 times
DIGITAL VIDEO OUT	HD-SDI (High Definition Serial Data Interface)
ANALOG VIDEO OUT	CVBS NTSC/PAL>Selectable by OSD)
Protocol	RS-485(Optional function)
OSD CONTROL	Peak / BLC/Fixed shutter/XDR /AGC / Fixed Gain/Slow shutter/3DNR Control/Day-night/Fog-Reduction / Eclipse/Enhance H-V/UV-Matrix/AWB /ATW/R-Y/B-Y/Freeze/Priority/Motion Detection/Digital P.T.Z /Posi-Negative/Privacy MASK/Cross line/Freeze/Com-ID/color bar
OPERATION TEMPERATURE	-20°C TO 50°C
OPERATIONAL HUMIDITY	within 85%RH
POWER SUPPLY	DC12V±1V / 280mA

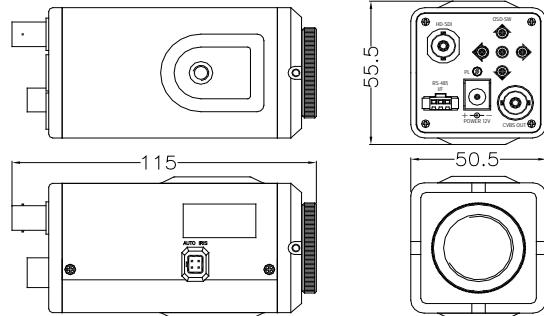
- \*1:For the best image performance and high recognition possibilities, high-quality relative terminal equipment is highly recommend, such as display, video recorder, and camera lens.
- \*2: The model name of built-in ICR function is MHD-63MG6RH-DICR

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## Dimension (Unit : mm / ±0.3mm)

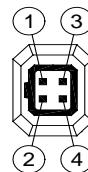
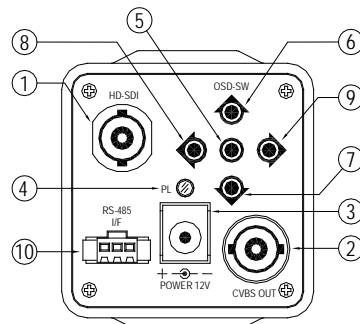
HD-SDI BOX Type: MHD-63MG6RH



REAR PANEL	
1	HD-SDI OUT
2	CVBS VIDEO OUT
3	POWER IN DC-JACK
4	POWER ON INDEX LED
5	OSD-SW "ENTER"
6	OSD-SW "UP"
7	OSD-SW "DOWN"
8	OSD-SW "LEFT"
9	OSD-SW "RIGHT"
10	RS-485 I/F (Not have release)

IRIS CONNECTOR( DC-LENS)	
P1	DUMP-
P2	DUMP+
P3	DRIVE
P4	DRIVE



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## For TV System selection (NTSC/PAL )

Set the video format for **NTSC** by turning on the power while pressing [UP] key together, and set the video format for **PAL** by turning on the power while pressing [RIGHT] key together.

## Caution for Installation

1. Avoid places where there is direct sunlight. When using the camera outside.
2. Be careful, never let any water in this equipment.
3. Do not directly touch the Sensor device. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
4. When the camera installs in dust or wet environment, please puts into the camera housing.
5. Be extra careful not to shake the camera.
6. Avoid places where temperatures exceed 50°C or more.
7. Be extra careful not to mistake plug in connect.
8. The camera are only operated with regulative adaptor DC 12V, AC to DC non-regulative adaptor may cause camera damaged.

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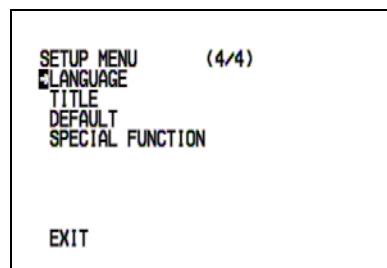
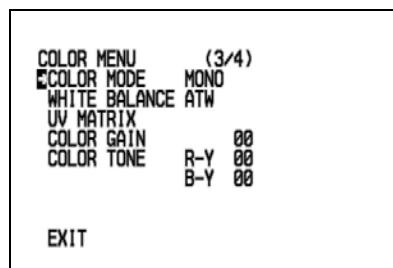
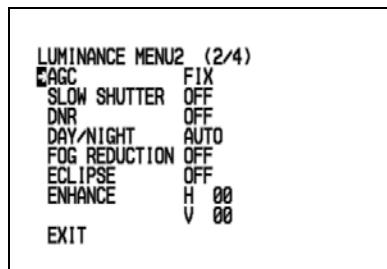
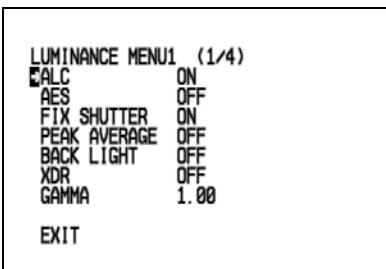
## OSD MENUAL

There are 5 push switch [UP],[DOWN],[LEFT],[RIGHT],[ENTER], push the [ENTER] switch up to 2 second, a pretty menu will be pop-up on your screen.

You may now push [UP] or [DOWN] switch to browse around menu.

Select RETURN and press [RIGHT] or [ENTER] key to exit SUB MENU, and select EXIT and press [RIGHT] or [ENTER] key to exit MAIN MENU.

Set the HDV output ON/OFF by turning on the power while pressing [LEFT] key together, and set the SDV output ON/OFF by turning on the power while pressing [DOWN] key together.



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## SPECIAL FUNCTION (1/2)

### SPECIAL FUNCTION (1/2)

- PRIORITY
- MOTION DETECT
- DIGITAL ZOOM
- H/V REVERSE
- DISPLAY MODE

RETURN

## SPECIAL FUNCTION (2/2)

### SPECIAL FUNCTION (2/2)

- PRIVACY MASK
- CROSS LINE
- FREEZE
- POS1/NEGA
- COMM ID

RETURN

Chooses MENU with [UP],[DOWN] or Choose [ENTER], the SUB MENU will be displayed.

If comes out from each SUB MENU, choose RETURN after [RIGHT] or Choose [ENTER].

If comes out from the Main Menu, choose EXIT after [RIGHT] or Choose [ENTER].

## ALC

AUTO LUMINANCE CONTROL  
 OFF  
 →ON  
 →LUMINANCE LEVEL  
 -———|————+ 00  
 FLC  
 →OFF  
 ON

RETURN

Move cursor to ALC row, push [RIGHT] or [ENTER]  
bottom, the details setting will be displayed.

You can select OFF/ON/FLC mode, select ON mode  
ALC is turned on, AES will be turned off  
automatically.

**OFF:** at the mode AUTO LUMINANCE CONTROL function will be stop.

**ON:** at the mode can be adjustable ALC level at the standard light setting between -40% to +40%, -40/-35/-30/-25/-20/-15/-10/-5/0/+5/+10/+15/+20/+25/+30/+35/+40 (All 17 levels).

To adjust levels by [LEFT],[RIGHT] and ensure setting by [ENTER].

**FLC:** flick less mode can be select ON or OFF

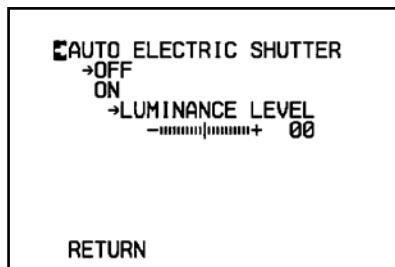
NTSC is at 1/100s and PAL is at 1/120s when FLC is on and the shutter is fixed.

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU1

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## AES



Move cursor to AES row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

You can select OFF/ON mode, select ON mode AES is turned on, ALC will be turned off automatically.

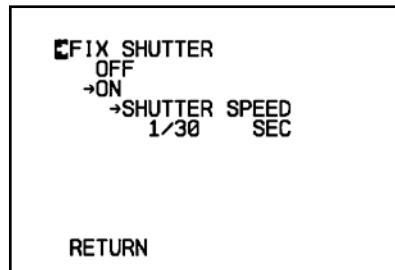
**OFF:** at the mode AUTO ELECTRIC SHUTTER function will be stop

**ON:** at the mode can be adjustable AES level at the standard light setting between -40% to +40%, -40/-35/-30/-25/-20/-15/-10/-5/0/+5/+10/+15/+20/+25/+30/+35/+40 (All 17 levels).

To adjust levels by [LEFT],[RIGHT] and ensure setting by [ENTER].

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU1

## FIX SHUTTER



Move cursor to FIX SHUTTER row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

You can select OFF/ON mode, select ON mode FIX SHUTTER is turned on, AES will be turned off automatically.

**OFF:** at the mode FIX SHUTTER function will be stop

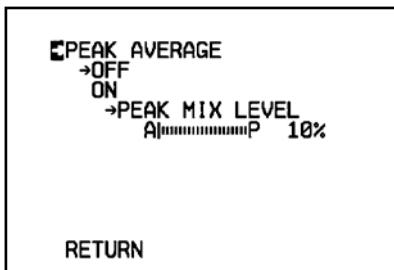
**ON:** at the mode can be select fix shutter speed, NTSC:1/30~1/10000s, PAL:1/25~1/10000s  
NTSC:1/30,1/50,1/60,1/100,1/120,1/180,1/350,1/500,1/750,1/1000,1/2000,1/4000,1/10000.  
PAL:1/25,1/50,1/60,1/100,1/120,1/180,1/350,1/500,1/750,1/1000,1/2000,1/4000,1/10000.

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**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU1

## PEAK AVERAGE



Move cursor to PEAK AVERAGE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

You can select OFF/ON mode, select ON mode PEAK AVERAGE is turned on, BLC and XDR will be

turned off automatically

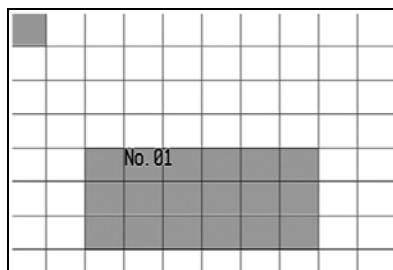
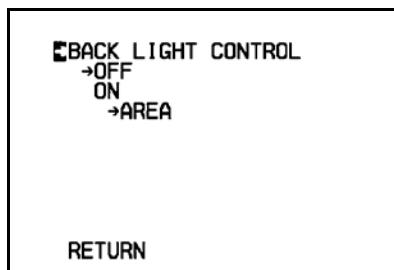
**OFF:** at the mode PEAK AVERAGE function will be stop.

**ON:** adjust PEAK ratio when obtain brightness, adjustable range between 10% to 90% all 9 levels.

10% , 20% , 30% , 40% , 50% , 60% , 70% , 80% , 90% all 9 levels.

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU1

## BACK LIGHT



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Move cursor to BACK LIGHT row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

You can select OFF/ON mode, select ON mode BACK LIGHT is turned on, BLC & PEAK and XDR will be turned off automatically.

**OFF:** at the mode back light function is stop.

**ON:** The below AREA<sub>s</sub> will be shown on the screen. Backlight AREA can be choose and set.

**AREA:** When SDV display mode=4:3 area 02~ 8D can be select and set, When SDV display mode=FULL area 01~ 8E can be select and set.

01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E
11	12	13	14	15	16	17	18	19	1A	1B	1C	1D	1E
21	22	23	24	25	26	27	28	29	2A	2B	2C	2D	2E
31	32	33	34	35	36	37	38	39	3A	3B	3C	3D	3E

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU1

## XDR

**XDR CONTROL**  
→OFF  
LOW  
MIDDLE  
HIGH

**RETURN**

Move cursor to XDR row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**OFF:** If you select OFF mode the XDR function will be stop.

**LOW:** XDR control is low level at the mode GAMMA function switch to 0.45 automatically.

**MIDDLE:** XDR control is middle level.

**HIGH:** XDR control is high level.

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**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU1

## GAMMA

**GAMMA CONTROL**  
→GAMMA 0.45  
GAMMA 1.00

**RETURN**

Move cursor to GAMMA row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

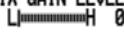
Set Gamma control level.0.45/1.00(Total 2 level)

※XDR/FOG/ECLIPSE function are switched to OFF

automatically when GAMMA is 1.00.

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU1

## AGC

**ANALOG GAIN CONTROL**  
→AUTO  
→MAX GAIN LEVEL  
 24dB  
**FIX**  
→FIX GAIN LEVEL  
 00dB

**RETURN**

Move cursor to AGC row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**AUTO:** Set AGC AUTO the MAX GAIN LEVEL can be set from 0/2/4/6/8/10/12/14/16/18/20/22/24 dB

(all 13 levels), To change levels by LEFT/RIGHT and confirm by ENTER.

**FIX:** Set AGC gain is fix, FIX GAIN LEVEL can be set from 0~24dB.

0/2/4/6/8/10/12/14/16/18/20/22/24 dB (all 13levels), To change levels by LEFT/RIGHT and confirm by ENTER.

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU 2.

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## SLOW SHUTTER

**SLOW SHUTTER**  
→OFF  
AUTO  
→LIMIT TIME  
1/15 SEC

RETURN

Move cursor to SLOW SHUTTER row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**OFF:** If you select OFF mode the SLOW SHUTTER function will be stop

**AUTO:** Choose LIMIT TIME when SLOW SHUTTER is auto

By NTSC mode from 1/15~8sec. 1/15,1/8,1/4,1/2,1,2,4,8sec. 8 step.

By PAL mode from 1/12~8sec. 1/12,1/6,1/3,1/2,1,2,4,8sec. 8 step.

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU 2.

## DNR

**DNR CONTROL**  
→OFF  
LOW  
MID  
HIGH

RETURN

Move cursor to DNR row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**OFF:** If you select OFF mode the DNR function will be stop.

**LOW:** DNR control is low level.

**MID:** DNR control is middle level.

**HIGH:** DNR control is high level.

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU 2.

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## DAY / NIGHT

**DAY/NIGHT**  
**DAY**  
**NIGHT**  
**→AUTO**  
**→HOLD TIME**  
**1 SEC**

**RETURN**

Move cursor to DAY/NIGHT row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**DAY:** at the mode IR-cut FILTER is fixed.

**NIGHT:** at the mode IR-cut FILTER is remove.

**AUTO:** When AGC is up to maximum and the brightness does not reach the standard, IR FILTER will be remove, When AGC down to minimum and the bright will reach standard, IR FILTER will be fixed.

At the AUTO mode IR FILTER control reaction time will be select from 1~ 60sec.

1,5,10,20,30,40,50,60,sec. all 8 step.

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU 2.

## FOG REDUCTION

**FOG REDUCTION**  
**→OFF**  
**LOW**  
**MID**  
**HIGH**

**RETURN**

Move cursor to FOG REDUCTION row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**OFF:** If you select OFF mode the FOG REDUCTION function will be stop.

**LOW:** FOG REDUCTION control is low level.

※ECLIPSE function is swtched to OFF automatically when FOG REDUCTION is ON.

※GAMMA function is swtched to 0.45 automatically when FOG REDUCTION is ON.

**MID:** FOG REDUCTION control is middle level.

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**HIGH:** FOG REDUCTION control is high level.

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU 2.

## ECLIPSE

ECLIPSE CONTROL  
→OFF  
LOW  
MID  
HIGH

RETURN

Move cursor to ECLIPSE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**OFF:** If you select OFF mode the ECLIPSE function will be stop.

**LOW:** ECLIPSE control is low level.

※FOG REDUCTION function are swtched to OFF automatically when ECLIPSE control is ON.

※GAMMA function are swtched to 0.45 automatically when ECLIPSE control is ON.

**MID:** ECLIPSE control is middle level.

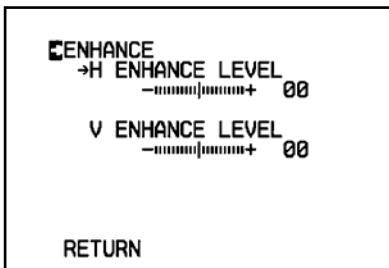
**HIGH:** ECLIPSE control is high level.

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU 2.

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## ENHANCE



Move cursor to ENHANCE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

### H ENHANCE LEVEL:

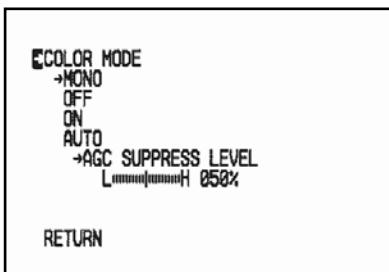
Set horizontal ENHACE LEVEL between -60 to +60. -60/-50/-40/-30/-20/-10/0/+10/+20/+30/+40/+50/+60 all 13 levels.

To change levels by LEFT/RIGHT, confirm by ENTER.

**V ENHANCE LEVEL:** Set horizontal ENHACE LEVEL between -60 to +60, 0/-50/-40/-30/-20/-10/0/+10/+20/+30/+40/+50/+60 all 13 levels. To change levels by LEFT/RIGHT, confirm by ENTER.

**RETURN:** Choose RIGHT or ENTER to return to the LUMINANCE MENU 2.

## COLOR MODE



Move cursor to COLOR MODE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed

**MONO:** If you select MONO mode the subcarrier will be off, display monochrome image.

**OFF:** If you select OFF mode the subcarrier will be on, display monochrome image.

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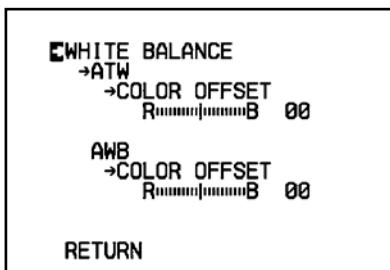
**ON:** Normal color image is presented, Color mode is fixed, no relation IR filter is removable.

**AUTO:** at the mode can be control color gain supress level from 10% ~ 100% all 11 levels,  
(0/10/20/30/40/50/60/70/80/90/100%)

Choose LEFT/RIGHT to change levels. Choose ENTER to confirm the setting.

**RETURN:** Choose RIGHT or ENTER to return to the COLOR MENU.

## WHITE BALANCE



Move cursor to WHITE BALANCE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**ATW:** Auto trace white balance at the mode COLOR  
OFFSET can be adjustable from R40~B40 all 17  
steps,R40/R35/R30/R25/R20/R15/R10/R5/ 0/ B5/ B10/B15/B20/B25/B30/B35/B40 (All 17  
levels)

Choose LEFT/RIGHT to change levels. Choose ENTER to confirm the setting.

**AWB:** *It's the one touch white balance and keeps the white balance conditions till resetting,* at the mode COLOR OFFSET can be adjustable from R40~B40 all 17steps,  
R40/R35/R30/R25/R20/R15/R10/R5/ 0/ B5/ B10/B15/B20/B25/B30/B35/B40 (All 17 levels).

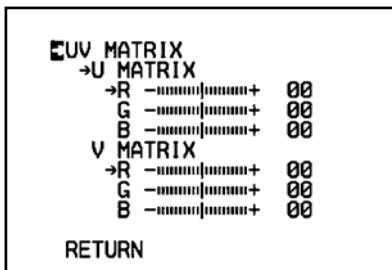
Choose LEFT/RIGHT to change levels. Choose ENTER to confirm the setting.

**RETURN:** Choose RIGHT or ENTER to return to the COLOR MENU.

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## UV MATRIX



Move cursor to UV MATRIX row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed

**U MATRIX:** U axis R/G/B color adjustable.

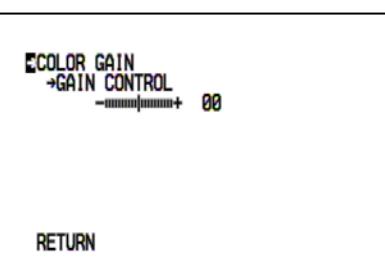
R/G/B colors offset adjust from -128 to +127.

**V MATRIX:** U axis R/G/B color adjustable.

R/G/B colors offset adjust from -128 to +127

**RETURN:** Choose RIGHT or ENTER to return to the COLOR MENU.

## COLOR GAIN



Move cursor to COLOR GAIN row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed

**GAIN CONTROL:** Offset value setting of color gain from -16 to +16.(Total 33 level)

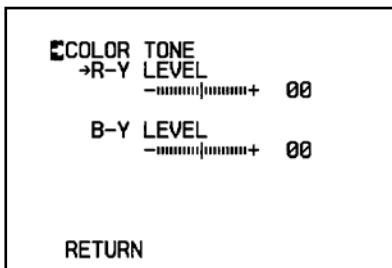
Select a level with LEFT/ RIGHT key and determine with ENTER key.

**RETURN:** Choose RIGHT or ENTER to return to the COLOR MENU.

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## COLOR TONE



Move cursor to COLOR TONE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed

**R-Y LEVEL:** adjustable B-Y LEVEL *offset* data.

-40/-35/-30/-25/-20/-15/-10/-5/0/+5/+10/ +15/ +20/+25/+30/+35/+40/(All have 17 grades)

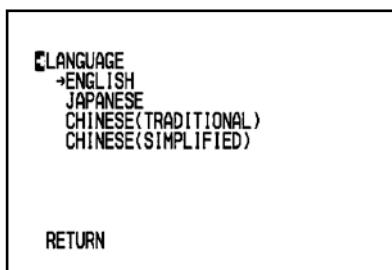
To change grade with LEFT/RIGHT, confirm with ENTER.

**B-Y LEVEL:** adjustable B-Y LEVEL *offset* data. -40/-35/-30/-25/-20/-15/-10/-5/0/+5/+10/ +15/+20/+25/+30/+35/+40/(All have 17 grades)

To change grade with LEFT/RIGHT, confirm with ENTER.

**RETURN:** Choose RIGHT or ENTER to return to the COLOR MENU.

## LANGUAGE



Move cursor to LANGUAGE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed

Push ENTER or RIGHT enter to language select,

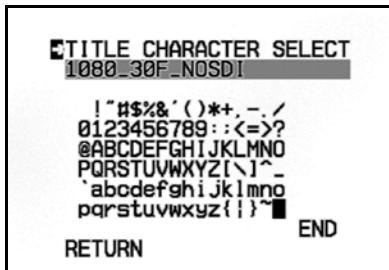
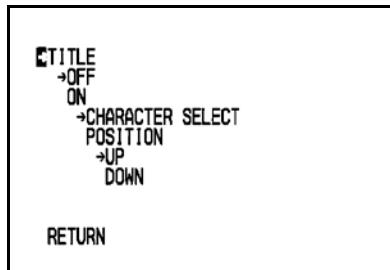
push UP/DOWN select, use LEFT confirm.

**RETURN:** Choose RIGHT or ENTER to return to the SETUP MENU.

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## **TITLE**



Move cursor to LANGUAGE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed

**OFF:** TITLE display is off.

**ON:** TITLE display is on can be set display character and character display position.

Set the location of characters of cursor, Use ENTER to choose characters.

### **CHARACTER SELECT:**

Choose the writing with UP/DOWN/LEFT/RIGHT. Use ENTER to show in the writing of cursor place

The END place presses ENTER, will come back the writing chooses, and move first menu.

**RETURE:** Choose ENTER to return to TITLE MENU.

### **POSITION:**

Select display position is UP or DOWN

**RETURN:** Choose RIGHT or ENTER to return to the SETUP MENU

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## DEFAULT

DEFAULT  
→LOAD  
SAVE  
FACTORY RESET

RETURN

Move cursor to LANGUAGE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**LOAD** : Set the camera condition to default.

**SAVE** : Save the present condition as default.

**FACTORY RESET** : Reset to the factory default.

**RETURN:** Choose RIGHT or ENTER to return to the SETUP MENU

## SPECIAL FUNCTION (1/2)

SPECIAL FUNCTION (1/2)  
PRIORITY  
MOTION DETECT  
DIGITAL ZOOM  
H/V REVERSE  
DISPLAY MODE

RETURN

## SPECIAL FUNCTION (2/2)

SPECIAL FUNCTION (2/2)  
PRIVACY MASK  
CROSS LINE  
FREEZE  
POS1/NEGA  
COMM ID

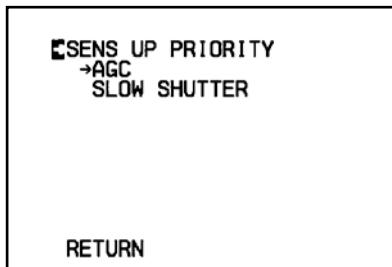
RETURN

Move cursor to SPECIAL FUNCTION row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

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## PRIORITY



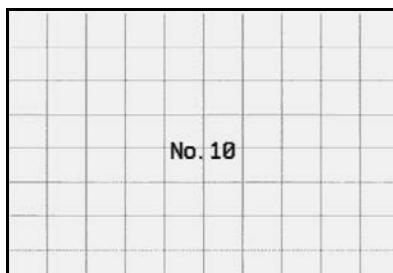
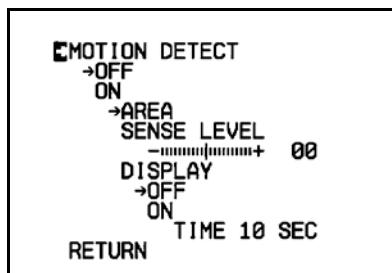
Move cursor to PRIORITY row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**SENS UP PRIORITY:** Sens up function control

priority select AGC first or SLOW SHUTTER first.

**RETURN:** Choose RIGHT or ENTER to return to the SPECIAL FUNCTION (1/2).

## MOTION DETECT



Move cursor to MOTION DETECT row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**OFF :** Motion detection function will be disable.

**ON :** Motion detection function will be active.

**AREA:** When display set to "4:3" mode only area 02~ 8D can be select and set, display mode set to FULL mode all area 01~8E can be select and set.

To exit the area selection screen, move out the cursor to the out of parted area and press ENTER

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when "END" is displayed.

01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E
11	12	13	14	15	16	17	18	19	1A	1B	1C	1D	1E
21	22	23	24	25	26	27	28	29	2A	2B	2C	2D	2E
31	32	33	34	35	36	37	38	39	3A	3B	3C	3D	3E

**SENSE LEVEL:** Motion SENSE LEVEL will be set from -40~+40,

(-40/-30/-20/-10/-0/+10/+20/+30/+40).

To change grade with LEFT/RIGHT, confirm with ENTER.

**DISPLAY:** While detect motion, OSD will show ON/OFF.

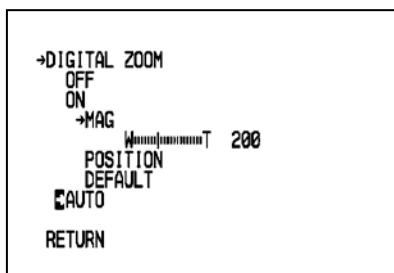
**OFF:** While detect motion, OSD display is OFF.

**ON:** While detect motion, OSD display is ON, After detect motion, OSD will show time will set.

10 is about 10 second, 30 is about 30 second, 60 is about 60 second.

**RETURN:** Choose RIGHT or ENTER to return to the SPECIAL FUNCTION (1/2).

## DIGITAL ZOOM



Move cursor to DIGITAL ZOOM row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**OFF :** Digital zoom function will be disable.

**ON :** Digital zoom function will be active.

**MAG:** Digital zoom of the ratio will adjust. 100(W)~400(T), to adjust with LEFT/RIGHT, confirm with ENTER.

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**POSITION:** Digital zoom of image place will set up, to adjust with LEFT/RIGHT/UP/DOWN, confirm with ENTER.

**DEFAULT:** Zoom ratio and Position returned to initial value

**AUTO:** Automatic operation PAN/TILT mode with zoom ratio 200

**RETURN:** Choose RIGHT or ENTER to return to the SPECIAL FUNCTION (1/2).

#### H / V RENERSE

H-REVERSE  
→OFF  
ON  
V-REVERSE  
→OFF  
ON

RETURN

Move cursor to H/V RENERSE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**H-REVERSE:** Reverse the displayed picture to right or left.

**V-REVERSE:** Reverse the displayed picture to up or down.

**RETURN:** Choose RIGHT or ENTER to return to the SPECIAL FUNCTION (1/2).

#### DISPLAY MODE

→DISPLAY MODE  
→HDV 1080P30  
  
SDV →4:3  
16:9  
ASPECT NORMAL  
→FULL

RETURN

Move cursor to DISPLAY MODE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

Set Digital Video output Format.

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**HDV :**

**(NTSC)** Format setting of Digital Video output.

720P60	CLK=74.25MHz	H=1650 clock	V=750 clock
1080P30	CLK=74.25MHz	H=2200 clock	V=1125 clock
720P30(A)	CLK=74.25MHz	H=3300 clock	V=750 clock
720P30(B)	CLK=37.125MHz	H=1650 clock	V=750 clock

**(PAL)** Format setting of Digital Video output.

720P50	CLK=74.25MHz	H=1980 clock	V=750 clock
1080P25	CLK=74.25MHz	H=2640 clock	V=1125 clock
720P25(A)	CLK=74.25MHz	H=3960 clock	V=750 clock
720P25(B)	CLK=37.125MHz	H=1980 clock	V=750 clock

**SDV :** The image can be output as 4:3 or 16:9.

**ASPECT :** Aspect setting of Analog Video in case of 4:3. The image can be select NORMAL(1:1) or FULL in sensor valid pixel.

**RETURN:** Choose RIGHT or ENTER to return to the SPECIAL FUNCTION (1/2).

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Model Name MG6(Multi-format type)

## PRIVACY MASK

PRIVACY MASK  
→NO=01  
→OFF  
ON  
→POSITION  
SIZE

RETURN

PRIVACY MASK  
→NO=01  
OFF  
→ON  
→POSITION  
SIZE  
↑  
← → ENT:QUIT  
↓

RETURN

PRIVACY MASK  
→NO=01  
OFF  
→ON  
POSITION  
→SIZE  
↑  
← → ENT:QUIT  
↓

RETURN

Move cursor to PRIVACY MASK row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

MASK number will choose. Maximum can set up 16 masks. NO=01~16

**OFF** : Privacy mask function will be disable.

**ON** : Privacy mask function will be active.

**POSITION:** MASK of the place will adjust. To choose area with LEFT/RIGHT/UP/DOWN, confirm with ENTER.

**SIZE:** MASK of the size will adjust. To choose area with LEFT/RIGHT/UP/DOWN, confirm with ENTER.

**RETURN:** Choose RIGHT or ENTER to return to the SPECIAL FUNCTION (2/2).

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Model Name MG6(Multi-format type)

## CROSS LINE

<b>→CROSS LINE</b> <input checked="" type="checkbox"/> OFF <input type="checkbox"/> ON <b>→POSITION</b> <input checked="" type="checkbox"/> DEFAULT  <b>RETURN</b>	<b>→CROSS LINE</b> <input checked="" type="checkbox"/> OFF <input type="checkbox"/> ON <b>→POSITION</b> <input checked="" type="checkbox"/> DEFAULT  <b>RETURN</b>
--	--

Move cursor to CROSS LINE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**OFF:** Cross line will be not display.

**ON:** Cross line will be display.

**POSITION:** Cross line of the place will adjust. To adjust with LEFT/RIGHT/UP/DOWN, confirm with ENTER.

**DEFAULT:** Cross line set to standard position at the center of full image.

**RETURN:** Choose RIGHT or ENTER to return to the SPECIAL FUNCTION (2/2).

## FREEZE

<input checked="" type="checkbox"/> FREEZE <input type="checkbox"/> →OFF <input type="checkbox"/> ON  <b>RETURN</b>
---

Move cursor to FREEZE row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**OFF:** Display image are normal

**ON:** Display image are freeze.

**RETURN:** Choose RIGHT or ENTER to return to the SPECIAL FUNCTION (2/2).

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Model Name MG6(Multi-format type)

## POSI / NEGA

POSI / NEGA  
→POSI  
NEGA

RETURN

Move cursor to POSI / NEGA row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

**POSI:** Show positive image

**NEGA:** Show negative image

**RETURN:** Choose RIGHT or ENTER to return to the SPECIAL FUNCTION (2/2).

## COMM ID

→COMM ID  
ID 001

RETURN

Move cursor to COMM ID row, push [RIGHT] or [ENTER] bottom, the details setting will be displayed.

Set camera ID number of the serial communication

of cameras. Values available between 0 to 127 ID

ID 000 ~ 127

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